

Technical Report - Workshop 3

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- **USER STORIES**

- As an Admin, I want to add new vehicles to the inventory so that customers can see our latest offerings.
- As a User, I want to search for vehicles based on make, model, and year so that I can find the car I'm interested in.
- As an Admin, I want to update vehicle details such as price and condition, so that the inventory remains up-to-date.
- As a User, I want to see all the available vehicles so that I can browse the selection.
- As an Admin, I want to remove sold or unavailable vehicles from the inventory to maintain accurate information.
- As a User, I want to sort vehicles based on price or year so that I can find cars within my budget or of a certain age.

- **ENTITIES**

- Vehicle
- Engine
- Catalog
- Logger
- Processor

- **CRC CARDS**

Vehicle	
Show vehicle information	Engine Catalog Processor

Truck	
Show vehicle information Calculate Gas Consumption	Vehicle

Engine	
Show engine information	Vehicle Catalog

PoorEngineFactory	
Create poor engines	Vehicles

HighEngineFactory	
Create high engines	Vehicles

Catalog (<i>User</i>)*	
Show all vehicles Show vehicles by year	Vehicles Engines

Catalog (<i>Admin</i>)*	
Add vehicles Modify vehicles Delete Vehicles	Vehicles Engines

Logger	
Login users Register users	User

Processor	
Verify actions made by users	User Catalog

- UML DIAGRAM

